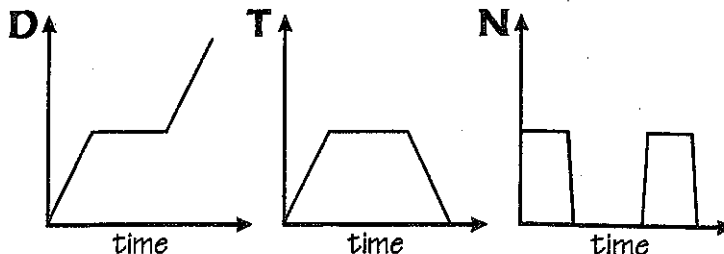


What Kind of Monkey Can Fly?

Sketch two graphs for the situation using the two dependent variables given. Match each graph to one of the answer choices. Write the letter of your choice in each box containing the exercise number.

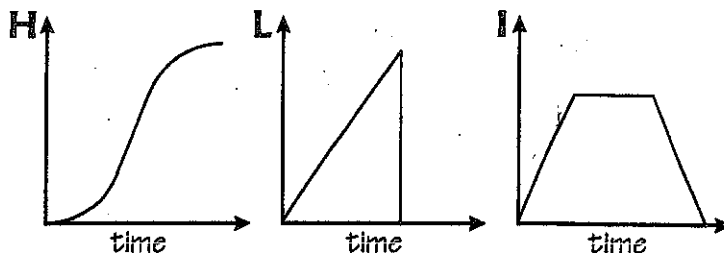
Erica walked from home to a friend's house, watched TV for awhile, then walked back home.

1. Let y = Erica's distance from home
2. Let y = Erica's speed



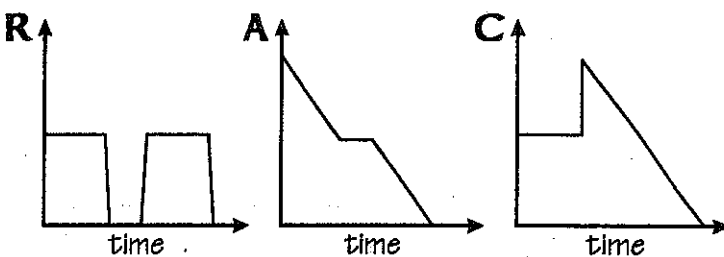
As our subway train leaves Station A, it accelerates to top speed, then maintains this speed until it begins to slow down and finally stops at Station B.

3. Let y = distance from Station A
4. Let y = speed of the train



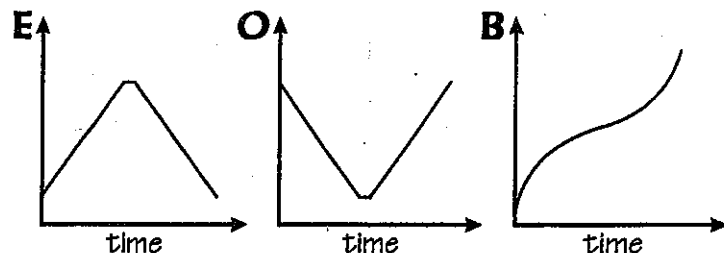
A backpacker hikes toward a campsite at a steady rate until he stops for awhile to rest. Then he continues at the original rate until he stops at the campsite.

5. Let y = distance from the campsite
6. Let y = speed of the backpacker



Our roller coaster goes slower and slower as it rolls up a hill. Then it goes faster and faster as we roll down the other side.

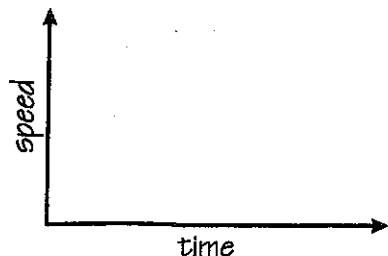
7. Let y = distance traveled
8. Let y = speed of the coaster



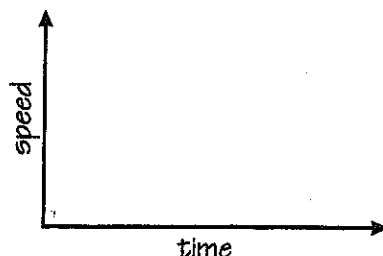
/	/	/	/	/	5	3	8	1	5	4	6	7	5	7	8	8	2	/	/	/	/	/	/
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CHALLENGE: Sketch a graph for each situation.

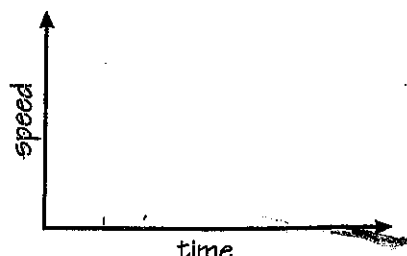
- 1 Tonka walked to school at a steady rate, then realized he was late and ran the rest of the way at top speed.



- 2 Kia jumped off a high cliff, fell freely for awhile, then opened her parachute and floated to the ground.



- 3 Spike hit the ball deep into right field, then ran around the bases as fast as he could to score a home run.

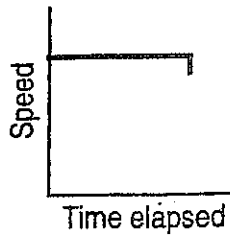


IDENTIFYING QUALITATIVE GRAPHS

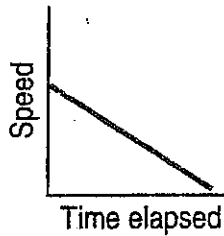
Indicate which graph matches the statement.

A train pulls into a station and lets off its passengers.

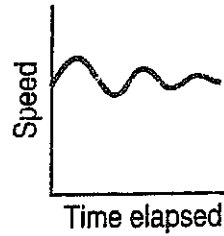
a)



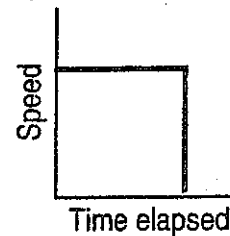
b)



c)

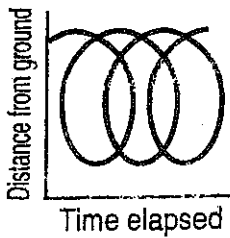


d)

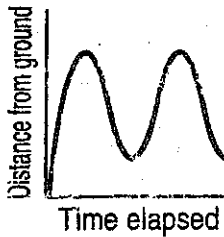


A man takes a ride on a ferris wheel.

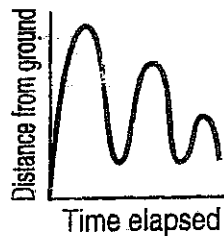
a)



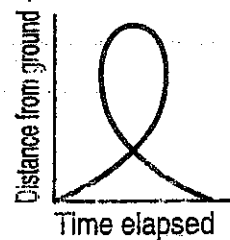
b)



c)



d)

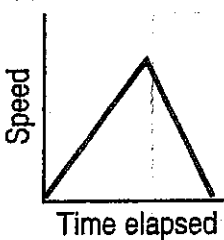


A woman climbs a hill at a steady pace and then starts to run down one side.

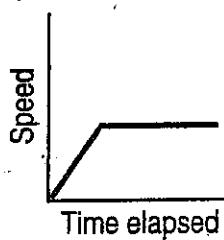
a)



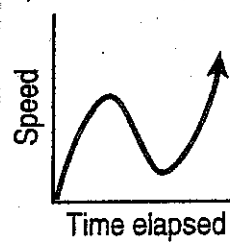
b)



c)

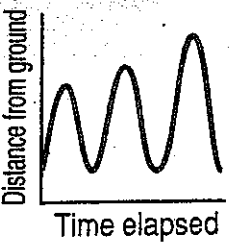


d)



A child swings on a swing.

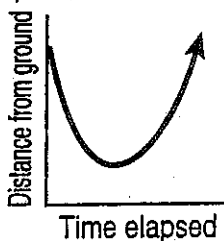
a)



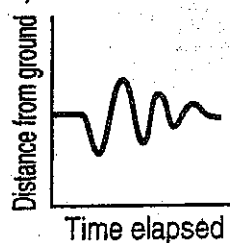
b)



c)

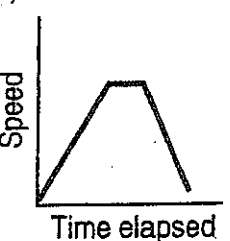


d)

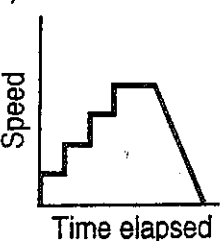


A child climbs up a slide and then slides down.

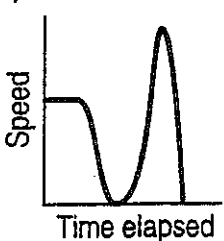
a)



b)



c)



d)

